

Claims

What is claimed is:

1. A backing for carpets comprising:
 - a woven fabric component; and
 - a non-woven fabric component comprising continuous fibers;the woven fabric component and the non-woven fabric component being joined to each other.
2. The backing of claim 1, wherein the woven fabric component comprises monofilament warp yarns and monofilament fill yarns.
3. The backing of claim 1, wherein the non-woven fabric component comprises synthetic fibers.
4. The backing of claim 1, wherein the woven fabric component and the non-woven fabric component are mechanically joined.
5. The backing of claim 1, wherein the woven fabric component and the non-woven fabric component are joined by needle-punching.
6. The backing of claim 5, wherein the needle-punching has a needling range of about 200 punches per square inch to about 600 punches per square inch.
7. The backing of claim 5, wherein the needle-punching has a needling range of about 300 punches per square inch to about 400 punches per square inch.
8. The backing of claim 1, wherein the woven fabric component further comprises a plain weave.

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9. The backing of claim 1, wherein the woven fabric component further comprises a construction of warp yarns of about 24 ends per inch and fill yarns of about 15 to about 18 picks per inch.

10. The backing of claim 1, wherein the woven fabric component further comprises a construction of warp yarns of about 20 to about 30 ends per inch and fill yarns of about 11 to about 18 picks per inch.

11. The backing of claim 1, wherein the woven fabric component further comprises a construction of warp yarns of about 20 to about 35 ends per inch and fill yarns of about 10 to about 30 picks per inch.

12. The backing of claim 1, wherein the non-woven fabric component has a weight of about 0.25 ounce/yard² to about 5 ounce/yard².

13. The backing of claim 1, wherein the non-woven fabric component has a weight of about 0.50 ounce/yard² to about 3 ounce/yard².

14. The backing of claim 1, wherein the backing has increased healability and increased dimensional stability over woven primary carpet backing.

15. The backing of claim 1, wherein the woven fabric component has a weight of about 2 ounce/yard² to about 8 ounce/yard².

16. The backing of claim 1, wherein the woven fabric component has a weight of about 3 ounce/yard² to about 5 ounce/yard².

17. The backing of claim 1, wherein the backing has a dimensional stability of about 2.5 pounds to about 22 pounds.

1 18. The backing of claim 1, wherein the backing has a dimensional stability of about 3
2 pounds to about 20 pounds.

1 19. A method of using a floor covering, comprising the steps of:
2 attaching a woven fabric component to a non-woven fabric component to form a
3 backing component, the woven fabric component comprising monofilament warp yarns
4 and monofilament fill yarns and the non-woven fabric component comprising synthetic
5 fibers;

6 tufting carpet yarns through the backing component to form a floor covering; and
7 placing the floor covering on a specified area of the floor.

1 20. The method according to claim 19 wherein the woven fabric component
2 comprises plain weave.

1 21. The method according to claim 19, wherein the woven fabric component and the
2 non-woven fabric component are attached by needle-punching.

1 22. The method according to claim 21, wherein the needle-punching has a needling
2 range of about 200 punches per square inch to about 600 punches per square inch.

1 23. The method according to claim 21, wherein the needle-punching has a needling
2 range of about 300 punches per square inch to about 400 punches per square inch.

1 24. The method according to claim 19, wherein the woven fabric component
2 comprises warp yarns having about 24 ends per inch and fill yarns having about 15 to
3 about 18 picks per inch.

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1 25. The method according to claim 19, wherein the woven fabric component
2 comprises warp yarn having about 20 to about 30 ends per inch and fill yarns having
3 about 11 to about 18 picks per inch.

1 26. The method according to claim 19, wherein the woven fabric component
2 comprises warp yarns having about 20 to about 35 ends per inch and fill yarns having
3 about 10 to about 30 picks per inch.

1 27. The method according to claim 19, wherein the non-woven fabric component has
2 a weight of about 0.25 ounce/yard² to about 5 ounce/yard².

1 28. The method according to claim 19, wherein the non-woven fabric component has
2 a weight of about 0.50 ounce/yard² to about 3 ounce/yard².

1 29. The method according to claim 19, wherein the floor covering has increased
2 healability and increased dimensional stability over woven primary carpet backing.

1 30. The method according to claim 19, wherein the woven fabric component has a
2 weight of about 2 ounce/yard² to about 8 ounce/yard².

1 31. The method according to claim 19, wherein the woven fabric component has a
2 weight of about 3 ounce/yard² to about 5 ounce/yard².

1 32. The method according to claim 19, wherein the backing component has a
2 dimensional stability of about 2.5 pounds to about 22 pounds.

1 33. The method according to claim 19, wherein the backing component has a
2 dimensional stability of about 3 pounds to about 20 pounds.

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1 34. A method of making a carpet backing comprising joining a woven fabric
2 component, comprised of monofilament warp yarns and monofilament fill yarns, to a
3 non-woven fabric component.

1 35. The method according to claim 34, wherein the non-woven fabric component
2 comprises continuous synthetic fibers.

1 36. The method according to claim 34, wherein the carpet backing has increased
2 healability and increased dimensional stability over woven primary carpet backing.

1 37. The method according to claim 34 wherein the woven component comprises plain
weave.

1 38. The method according to claim 34, wherein the woven fabric component and the
2 non-woven fabric component are attached by needle punching.

1 39. The method according to claim 38, wherein the needle-punching has a needling
2 range of about 200 punches per square inch to about 600 punches per square inch.

1 40. The method according to claim 38, wherein the needle-punching has a needling
2 range of about 300 punches per square inch to about 400 punches per square inch.

1 41. The method according to claim 34, wherein the woven fabric component
2 comprises a construction of warp yarns having about 20 to about 30 ends per inch and fill
3 yarns having about 11 to about 18 picks per inch.

1 42. The method according to claim 34, wherein the woven fabric component
2 comprises a construction of warp yarns of about 24 ends per inch and fill yarns of about
3 15 to about 18 picks per inch.

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1 43. The method according to claim 34, wherein the woven fabric component
2 comprises warp yarns having about 20 to about 35 ends per inch and fill yarns having
3 about 10 to about 30 picks per inch.

1 44. The method according to claim 34, wherein the non-woven fabric component has
2 a weight of about 0.25 ounce/yard² to about 5 ounce/yard².

1 45. The method according to claim 34, wherein the non-woven fabric component has
2 a weight of about 0.50 ounce/yard² to about 3 ounce/yard².

1 46. The method according to claim 34, wherein the woven fabric component has a
2 weight of about 2 ounce/yard² to about 8 ounce/yard².

1 47. The method according to claim 34, wherein the woven fabric component has a
2 weight of about 3 ounce/yard² to about 5 ounce/yard².

1 48. The method according to claim 34, wherein the carpet backing has a dimensional
2 stability of about 2.5 pounds to about 22 pounds.

1 49. The method according to claim 34, wherein the carpet backing has a dimensional
2 stability of about 3 pounds to about 20 pounds.

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